

# INTERNATIONAL SEARCH REPORT

PCT/US2004/018159

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R31/307 H01L21/66

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01R H01L H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/022345 A1 (ISHIMOTO TORU) 20 September 2001 (2001-09-20)  figures 1-4 paragraph '0002! - paragraph '0005! paragraph '0010! - paragraph '0012! paragraph '0020! - paragraph '0028! paragraph '0032! paragraph '0034! - paragraph '0036!	1-8, 10-23, 25-42
X	KEIZO YAMADA ET AL.: "An in-line process monitoring method using electron beam induced substrate current" MICROELECTRONICS RELIABILITY, 2001, pages 455-459, XP001152421 cited in the application the whole document  ----- -/--	1-6, 8-11, 13, 16, 18-26, 28, 31-42

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search

2 November 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2002/093350 A1 (YAMADA KEIZO) 18 July 2002 (2002-07-18)</p> <p>figures 1-4 paragraphs '0002!, '0009!, '0011!, '0017!, '0019! paragraph '0053! - paragraph '0056! paragraph '0100! - paragraph '0101!</p>	<p>1-6,8, 10,11, 13,16, 18-23, 25,26, 28,31-42</p>
X	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) -&amp; JP 2000 174077 A (NEC CORP), 23 June 2000 (2000-06-23) abstract figures 1-4,10,16 paragraph '0003! - paragraph '0004! paragraph '0020! - paragraph '0022! paragraph '0032! - paragraph '0033! paragraph '0053! - paragraph '0056!</p>	<p>1,14-16, 29,30</p>
X	<p>PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07, 3 July 2002 (2002-07-03) -&amp; JP 2002 083849 A (NEC CORP), 22 March 2002 (2002-03-22) abstract &amp; US 6 768 324 B1 (TSUJIDE TOHRU ET AL) 27 July 2004 (2004-07-27) figures 1,2,4a,45 abstract column 19, line 61 - column 20, line 14</p>	<p>1,7,16, 17</p>

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001022345 A1	20-09-2001	JP 2001156136 A DE 10059016 A1	08-06-2001 31-05-2001
US 2002093350 A1	18-07-2002	JP 2001338956 A CN 1333466 A TW 541432 B	07-12-2001 30-01-2002 11-07-2003
JP 2000174077 A	23-06-2000	JP 3175765 B2	11-06-2001
JP 2002083849 A	22-03-2002	CN 1296287 A TW 473892 B US 6768324 B1 US 2004207415 A1	23-05-2001 21-01-2002 27-07-2004 21-10-2004
US 6768324 B1	27-07-2004	JP 2002083849 A CN 1296287 A TW 473892 B US 2004207415 A1	22-03-2002 23-05-2001 21-01-2002 21-10-2004